# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 06/15/2021 09:18 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 04/05/2021 10:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 12757 | Expiration Date: | 06/30/2022 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124076 | -1 | 2.58 | 124083 | 2.59 |
| Blue | F | SSC | 125000 | 123723 | -2 | 4.14 | 124213 | 4.19 |
| Blue | E | FITC | 14400 | 13813 | -5 | 3.06 | 318 | 15.16 |
| Blue | D | PE | 24713 | 24193 | -3 | 2.56 | 553 | 11.00 |
| Blue | B | PerCP-Cy5-5 | 31796 | 31204 | -2 | 3.72 | 1035 | 14.81 |
| Blue | A | PE-Cy7 | 21240 | 20942 | -2 | 5.70 | 560 | 28.45 |
| Red | C | APC | 41319 | 40654 | -2 | 3.12 | 1703 | 11.21 |
| Red | A | APC-Cy7 | 21019 | 20678 | -2 | 3.42 | 774 | 11.40 |
| Violet | B | V450 | 7305 | 7128 | -3 | 4.22 | 440 | 12.24 |
| Violet | A | V500 | 28652 | 27765 | -4 | 3.75 | 698 | 9.93 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 23259 | 2.56 | 566 | -3 | N/A | N/A | Pass |
| Blue | F | SSC | 57411 | 2.84 | 518 | 6 | N/A | N/A | Pass |
| Blue | E | FITC | 59 | 49.42 | 491 | 0 | 0.0417 | 0 | Pass |
| Blue | D | PE | 116 | 36.16 | 489 | 2 | 0.3698 | 238 | Pass |
| Blue | B | PerCP-Cy5-5 | 192 | 34.88 | 586 | 2 | 0.0190 | 8 | Pass |
| Blue | A | PE-Cy7 | 113 | 66.72 | 632 | 2 | 0.0234 | 4 | Pass |
| Red | C | APC | 394 | 23.29 | 574 | 1 | 0.0293 | 169 | Pass |
| Red | A | APC-Cy7 | 174 | 26.40 | 545 | 0 | 0.0066 | 859 | Pass |
| Violet | B | V450 | 61 | 60.31 | 455 | -1 | 0.0643 | 2170 | Pass |
| Violet | A | V500 | 99 | 32.43 | 468 | -2 | 0.0255 | 555 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 06/15/2021 09:18 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 04/05/2021 10:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.97 - 71.95 | N/A | N/A | -32.06 | -31.85 | 1.04 |
| Blue | 20.35 | 16.27 - 24.41 | 1.28 | 0.99 - 1.49 | 0.00 | 0.00 | 1.42 |
| Red | 21.24 | 15.99 - 23.99 | N/A | N/A | 30.37 | 30.46 | 1.19 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

## Threshold

Threshold (FSC): 14863

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments